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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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**UTILITY
PATENT APPLICATION
TRANSMITTAL**
(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	1875.2480000
First Inventor	Miguel Peeters
Title	Discrete Multitone Transmission and Reception
Express Mail Label No.	26111

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:
Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. Fee Transmittal Form (*e.g., PTO/SB/17*)
(Submit an original, and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 15]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76.

7. CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)
8. Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all necessary*)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

JC971 U.S. PTO
10/06/80
02/08/02

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of Attorney (*when there is an assignee*)
11. English Translation Document (*if applicable*)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: Authorization under 37 C.F.R. § 1.136(a)(3)
- Other: The name of the assignee is: Broadcom Corporation

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-Part (CIP)
Prior application information: Examiner _____ of prior application No: _____ / _____
Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label Customer No. 26111	<i>(Insert Customer No. or Attach bar code label here)</i>			<i>or</i>	<input type="checkbox"/> Correspondence address below
NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.				
ADDRESS	Attorneys at Law				
CITY	STATE		ZIP CODE		
COUNTRY	TELEPHONE	(202) 371-2600	FAX		

NAME (Print/Type)	Robert Sorkhl	Registration No. (Attorney/Agent)	36,013
SIGNATURE	Date February 8, 2002		

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.
SKGF Rev 3/29/01 mac

2-8-02 utility cvr ltr.WPD

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT		(\$ 1,348.00)	Attorney Docket No.	1875.2480000
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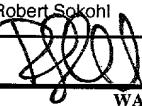
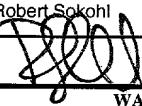
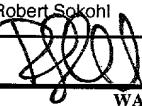
Complete if Known

Application Number	To be assigned
Filing Date	Herewith
First Named Inventor	Miguel Peeters
Examiner Name	To be assigned
Group Art Unit	To be assigned
Attorney Docket No.	

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)				
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:		3. ADDITIONAL FEES				
Deposit Account Number <div style="border: 1px solid black; padding: 2px;">19-0036</div> Deposit Account Name <div style="border: 1px solid black; padding: 2px;">Sterne, Kessler, Goldstein & Fox P.L.L.C.</div>		Large Entity	Small Entity			
<input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27						
2. <input checked="" type="checkbox"/> Payment Enclosed.						
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other* *Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.						

FEE CALCULATION					
1. BASIC FILING FEE					
Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	\$740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1) (\$ 740.00)					

2. EXTRA CLAIM FEES					
	Extra	Fee from below		Fee Paid	
Total Claims	22	- 20** =	2 X \$18.00	= \$36.00	
Indep. Claims	6	- 3** =	3 X \$84.00	= \$252.00	
Multiple Dependent		1	=	\$280.00	
Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim	
108	84	209	42	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$ 568.00)					
** or number previously paid, if greater; For Reissues, see above					
Other fee (specify):					
Other fee (specify):					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3) (\$ 40.00)					

SUBMITTED BY					
Complete (if applicable)					
Name (Print/Type)			Registration No. (Attorney/Agent)	36,013	Telephone
Name (Print/Type)			Registration No. (Attorney/Agent)	36,013	Telephone
Signature			Date	February 8, 2002	

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SKGF Rev. 10/01/01 mmac

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*LIMITED TO MATTERS
AND PROCEEDINGS BEFORE
FEDERAL COURTS & AGENCIES
**REGISTERED PATENT AGENT
***SENIOR COUNSEL

February 8, 2002

WRITER'S DIRECT NUMBER:

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INTERNET ADDRESS:

rsokohl@skfg.com

Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)
Appl. No. *To be assigned*; Filed: *Herewith*
For: Discrete Multitone Transmission and Reception
Inventor(s): Miguel Peeters
Our Ref: 1875.2480000

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. PTO Fee Transmittal (Form PTO/SB/17);
2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
3. U.S. Utility Patent Application entitled:

Discrete Multitone Transmission and Reception

and naming as inventor:

Miguel Peeters

Commissioner for Patents
February 8, 2002
Page 2

the application consisting of:

- a. A specification containing:
 - i. 10 pages of description prior to the claims;
 - ii. 4 pages of claims (16 claims);
 - iii. a one (1) page abstract;
 - b. 3 sheet(s) of drawings: (Figure(s) 1-4); and
 - c. An original executed Declaration;
 - d. An Application Data Sheet (37 C.F.R. § 1.76); and
4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
5. Recordation Form Cover Sheet;
6. An original executed Assignment to Broadcom Corporation, recordation of which is hereby respectfully requested; and
7. Two (2) return postcards; and
8. Our check No. 34139 for \$1,348.00 to cover:
\$ 740.00 Filing fee for patent application;
\$ 40.00 Assignment recordation fee(s); and
\$ 568.00 Fee for excess claims and multiple dependent claim fee.

Commissioner for Patents
February 8, 2002
Page 3

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert Sokohl
Attorney for Applicant
Registration No. 36,013